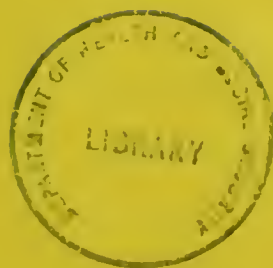


I



BOROUGH OF BOSTON  
and  
BOSTON PORT HEALTH AUTHORITY

Annual Report  
of the  
Medical Officer of Health  
and of the  
Chief Public Health Inspector  
for the year 1970

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# MEMBERS OF THE PUBLIC HEALTH COMMITTEE

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## At 1st January, 1970.

Councillor J. H. Dell,  
*Chairman.*

Councillor B. J. Veal,  
*Vice-Chairman.*

The Mayor, Alderman  
G. G. A. Whitehead

Alderman Mrs. Alice S.  
Johnson, M.B.E.,  
J.P.

„ Mrs. B. M. Roe,  
J.P.

„ C. Valentine

Councillor C. H. Atterby

„ Thos. B.  
Balderston, J.P.

„ John Howlett

„ Norman H. Hughes

„ F. Myatt

„ John J. Parker

„ G. H. Street

## After 18th May, 1970

Alderman J. H. Dell,  
*Chairman.*

Councillor John J. Parker,  
*Vice-Chairman.*

The Mayor, Councillor  
Alan Foster

Alderman Thos. B.  
Balderston, J.P.

Councillor Mrs. Margaret  
Haworth, J.P.

„ John Howlett

„ Norman H. Hughes

„ F. Myatt

„ G. H. Street

„ Mrs. E. M.  
Valentine

„ B. J. Veal

„ Dr. John H. Wallis

„ J. C. Wright

# **STAFF OF THE PUBLIC HEALTH DEPARTMENT**

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**Medical Officer of Health and Port Medical Officer of Health :**

G. HIRD, M.B., Ch.B., D.P.H.

**Chief Public Health Inspector and Port Health Inspector :**

G. E. CHAMBERLAIN, M.A.P.H.I.

**Deputy Chief Public Health Inspector and Port Health  
Inspector :**

D. H. MILSOM, M.A.P.H.I.

**Additional Public Health Inspector and Port Health Inspector :**

C. D. BOWRAN, Dip. P.H.I.E.B.

**Meat Inspector :**

A. T. FAIRGRIEVE,

Scottish Cert. Insp. of Meat and Other Foods.

**Pupil Public Health Inspector :**

P. JACKSON

**Chief Clerk :**

D. DADY.

**Junior Clerk :**

C. R. MAWER.

**Typist (part-time) :**

Mrs. N. HILDRED.

# **BOROUGH OF BOSTON**

## **AND**

# **PORT HEALTH AUTHORITY**

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**To :—The Mayor, Aldermen and Councillors of the Borough of Boston.**

Mr. Mayor, Aldermen and Councillors,

I have pleasure in presenting to you the Annual Report on the health aspects of the Borough and the work of the Public Health Department for 1970.

The Registrar-General's estimate of the mid-year population was 25,410, 150 more than the estimate for the previous year. The natural increase which is the excess of births compared with the number of deaths was 127.

In 1970 there were 386 live births, 29 less than in the previous year. 45 of the births were illegitimate which represented 12% of the births. The Crude Birth Rate was 15.2 and the Adjusted Rate 15.4. The rate for England and Wales was 16.0. The Still Birth Rate was 20 compared with the National figure of 13. This was because there were 8 Still Births during 1970, compared with 5 in 1969.

9 Infants under the age of 1 year died during 1970. This was 2 more than in the previous year. This gave an Infant Mortality Rate of 23 compared with 18 for England and Wales. 7 of these deaths occurred under the age of 1 week and were associated with conditions arising during pregnancy. The Perinatal Mortality Rate was 38.

During 1970 there were 259 deaths, 25 less than in 1969. This gave a Corrected Rate of 10.9 compared with 11.7 for England and Wales. There were 130 deaths from Cardiac Disease which represented 50% of all the deaths. Malignant Disease accounted for 57 deaths or 22% of the total. Respiratory Diseases came next with 34 deaths or 13%. This was a change from 1969 when Respiratory Diseases were the second largest cause of death.

Infectious diseases did not really constitute much of a problem. Measles was the most prevalent with 195 cases. There were 18 cases of Food Poisoning and only 2 cases of Dysentery.

Details of the activities of the Health Department follow in the bulk of the Report. The staff do a difficult job exceedingly well and are to be congratulated on their efforts during the year. Mr. Chamberlain's help in the preparation of this Report is gratefully appreciated. The other Chief Officers and their staffs continued to give help and assistance and their co-operation is acknowledged.

The Members of the Public Health Committee have as usual shown interest and support in the work of the Department.

Yours faithfully,

G. HIRD,

Medical Officer of Health.

Public Health Department,  
6, Bridge Street,  
BOSTON, Lincs.  
Telephone No. 4601 (six lines).  
September, 1971.

# Part 1

## SECTION A

### STATISTICS AND SOCIAL CONDITIONS OF THE BOROUGH.

#### GENERAL STATISTICS :—

Area (in acres) ... ..	3,259
Home Population (Registrar-General's mid-year estimate for 1970) ... ..	25,410
Number of Inhabited Houses at end of 1970 (according to the Rate Books) ... ..	9,367
Rateable Value at 31st March, 1971 ... ..	£1,146,896
Sum represented by a Penny Rate (Est. 1971-72)	£11,100
Estimated average number of Persons per Inhabited House ... ..	2.7
Estimated average number of Persons per acre ...	7.8
Average number of Inhabited Houses per acre ...	2.9

#### SOCIAL CONDITIONS, ETC. :—

The social conditions of the area have remained unchanged during the year.

#### VITAL STATISTICS :—

<b>Live Births</b>					Male	Female	Total
Legitimate	...	...	...	...	172	169	341
Illegitimate	...	...	...	...	25	20	45
Total Live Births					197	189	386
Live Birth Rate per 1,000 of the estimated population (crude)							15.2
Live Birth Rate per 1,000 of the estimated population (adjusted)							15.4
<b>Illegitimate live births per cent. of total live births</b>							12
<b>Still Births</b>					Male	Female	Total
Legitimate	..	...	...	...	5	3	8
Illegitimate	...	..	...	...	—	—	—
Total Still Births					5	3	8
Still Birth Rate per 1,000 total (live and still) births							20
<b>Total Live and Still Births</b>					Male	Female	Total
					202	192	394



## Infant Deaths

Deaths of Infants under 1 year of age						Male	Female	Total
Legitimate	...	...	...	...	...	6	3	9
Illegitimate	...	..	...	...	...	—	—	—
Total	...	...	...	...	...	6	3	9

### Infant Mortality Rates :—

(a) All infants per 1,000 live births	...	...	...	23
(b) Legitimate infants, per 1,000 legitimate live births	...	...	...	26
(c) Illegitimate infants, per 1,000 illegitimate live births	...	...	...	Nil

Deaths of Infants under 4 weeks of age						Male	Female	Total
Legitimate	...	...	...	...	...	5	2	7
Illegitimate	...	...	...	...	...	—	—	—
Total	...	...	...	...	...	5	2	7

Neonatal Mortality Rate per 1,000 total live births ... .. 18

Deaths of Infants under 1 week of age						Male	Female	Total
Legitimate	...	...	...	...	...	5	2	7
Illegitimate	...	...	...	...	...	—	—	—
Total	...	..	...	...	...	5	2	7

Early Neonatal Mortality Rate per 1,000 total live births 18

Perinatal Mortality						Male	Female	Total
Still Births and Deaths under 1 week						10	5	15
Perinatal Mortality Rate per 1,000 total live and still births								38

## Maternal Mortality

Maternal Deaths (including abortion)	...	...	...	Nil
Maternal Mortality Rate per 1,000 total (live and still) births	...	...	...	Nil

Deaths						Male	Female	Total
All Causes	...	...	...	...	...	125	134	259
Death Rate per 1,000 of the population (crude)	...	...	...	...	...			10.2
Death Rate per 1,000 of the population (adjusted)	...	...	...	...	...			10.9

## COMPARISONS WITH ENGLAND AND WALES :—

The figures for the Live Birth Rates and Death Rates given below have been corrected using the comparability factors supplied by the Registrar General. These factors allow for the differing age and sex composition of the various populations, and enable valid comparisons to be made.



It is also emphasised that undue significance should not be attached to rates which are based on very small numbers (e.g. infant mortality) and that a comparison of such rates with those in other areas, or with earlier years may have little statistical significance.

	Borough of Boston				England & Wales
Live Birth Rate ... ..	...	...	...	15.4	16.0
Death Rate ... ..	...	...	...	10.9	11.7
Still Birth Rate ... ..	...	...	...	20	13
Infant Mortality Rate					
(Deaths under 1 year) ... ..	...	...	...	23	18
Neonatal Mortality					
(Deaths under 4 weeks) ... ..	...	...	...	18	12
Early Neonatal Mortality					
(Deaths under 1 week) ... ..	...	...	...	18	11
Perinatal Mortality Rate ... ..	...	...	...	38	23

**Birth Rates, Death Rates and Infant Mortality Rates  
in Borough of Boston, 1956-1970.**

Year	No. of Births	Crude Birth Rates	No. of Deaths	Crude Death Rates	Infant Mortality Rates	Average 5 years		
						Birth Rates	Death Rates	Infant Mortality Rates
1956	438	18.1	238	9.8	29.7	17.2	10.4	26.9
1957	429	17.9	204	8.5	25.6			
1958	401	16.6	262	10.8	37.4			
1959	390	16.1	275	11.3	25.6			
1960	429	17.5	286	11.7	16.3			
1961	416	16.7	278	11.2	16.8	17.7	11.0	20.8
1962	414	16.6	265	10.6	24.1			
1963	446	17.8	276	11.0	20.2			
1964	469	18.7	279	11.1	25.6			
1965	465	18.5	277	11.0	17.2			
1966	420	16.7	279	11.1	28.6	16.3	11.2	21.9
1967	423	16.9	279	11.2	18.9			
1968	410	16.4	309	12.3	22.0			
1969	415	16.4	284	11.2	17.0			
1970	386	15.2	259	10.2	23.0			

# CAUSES OF DEATH IN BOSTON M.B., 1970.

Cause of Death.	Males	Females
Other Tuberculosis ... ..	—	1
Malignant neoplasm—oesophagus ... ..	—	1
Malignant neoplasm—stomach ... ..	1	2
Malignant neoplasm—intestine ... ..	6	5
Malignant neoplasm—larynx ... ..	1	—
Malignant neoplasm—lung, bronchus ... ..	12	1
Malignant neoplasm—breast ... ..	—	6
Malignant neoplasm—uterus ... ..	—	5
Malignant neoplasm—prostate ... ..	1	—
Leukaemia ... ..	1	2
Other Malignant neoplasms ... ..	8	5
Benign and unspecified neoplasms ... ..	—	1
Diabetes Mellitus ... ..	—	3
Anaemias ... ..	1	3
Mental disorders ... ..	—	1
Multiple Sclerosis ... ..	—	1
Chronic rheumatic heart disease ... ..	—	2
Hypertensive disease ... ..	2	4
Ischaemic heart disease ... ..	44	19
Other forms of heart disease ... ..	7	13
Cerebrovascular disease ... ..	9	25
Other diseases of circulatory system ... ..	3	2
Influenza ... ..	—	4
Pneumonia ... ..	8	7
Bronchitis and Emphysema ... ..	8	6
Asthma ... ..	—	1
Peptic ulcer ... ..	1	1
Cirrhosis of liver ... ..	1	—
Other diseases of digestive system ... ..	1	1
Nephritis and Nephrosis ... ..	—	1
Congenital anomalies ... ..	—	1
Birth injury, difficult labour, etc. ... ..	4	2
Other causes of Perinatal Mortality ... ..	1	—
Symptoms and ill defined conditions ... ..	3	4
Motor vehicle accidents ... ..	2	—
All other accidents ... ..	—	3
Suicide and self-inflicted injuries ... ..	—	1
<b>TOTAL ALL CAUSES</b>	<b>125</b>	<b>134</b>

## METEOROLOGICAL CONDITIONS.

I am indebted to A. Kirkham, Esq., Meteorologist, for the following summary of the weather conditions of the area for the past two years as recorded by him at the Meteorological Station, West View, Robin Hood's Walk, Boston.

	1970	1969
Days of measurable rain ... ..	180	181
Mean maximum temperature (average 56.5°) ... ..	56.0°	55.1°
Mean minimum temperature (average 42.1°) ... ..	41.8°	41.4°
Mean day and night temperature (average 49.3°) ... ..	48.9°	48.2°
No. of days with temperatures between 70° and 79° ... ..	53	40
No. of days with temperatures 80° or over	8	8
No. of air frosts ... ..	67	69
No. of ground frosts ... ..	100	114
No. of days with snow or sleet ... ..	32	37
No. of days with snow lying on ground ...	20	22
No. of days with hail ... ..	7	5
No. of days with thunderstorms ... ..	12	17
No. of days with fog ... ..	38	29
No. of days with gale force winds ... ..	9	5

Total rainfall 23.65" against average of 23.88".

Total rainfall for 1969 : 27.06".

Greatest rainfall in one day : 1.13" on 19th August.

Highest maximum temperature : 85° on 7th July.

Lowest minimum (air) : 19° on 7th January.

Lowest grass minimum : 14° on 7th January.

Highest barometer reading : 30.77" (1042 millibars) on 9th December.

Lowest barometer reading : 28.63" (969 millibars) on 19th November.

## **SECTION B**

### **GENERAL PROVISION OF HEALTH SERVICES FOR THE BOROUGH.**

#### **LABORATORY FACILITIES :—**

Advantage has again been taken of the Public Health Laboratory Service at Lincoln. Samples of ice cream and water have been regularly submitted for examination and further details of this work will be found in Sections C. and E.

The Laboratories of the Royal Institute of Public Health and Hygiene, London, have continued to carry out chemical examinations of water samples on behalf of the Department.

#### **AMBULANCE SERVICE :—**

This service is provided and maintained by the Holland County Council through the Ambulance and Transport Department, Allan House, Carlton Road, Boston.

During the year the following resources were available at the Boston Ambulance Station :—

- Emergency Ambulances 4.
- Infectious Diseases Ambulance 1.
- Car Type Transit Ambulances 3.
- Utility Ambulances 3.
- Sitting Case Vehicles 3.
- Station Officer 1.
- Wholetime Driver/Attendants 13.

All Ambulances carry oxygen therapy apparatus and have been adapted to carry a portable incubator for small premature babies. A mechanical resuscitator is available for cases of drowning, asphyxiation, etc. Apparatus to carry out mouth to mouth resuscitation is also provided.

The equipment carried also includes bag and mask resuscitators and aspirators which now substantially conforms to the recommendations of the Ministry of Health's Working Party on Ambulance Training and Equipment Part 2.

As from the 21st October, 1970 the County Ambulance Service has been controlled by two-way radio.

#### **NURSING IN THE HOME :—**

The home nursing service is under the control of the Local Health Authority.

#### **MORTUARY FACILITIES :—**

The Public Mortuary in Skirbeck Road is no longer used, adequate facilities being available at the new Pilgrim Hospital.

## HOSPITALS :—

All Hospitals in the area are administered by the Boston Group Hospital Management Committee for the Sheffield Regional Hospital Board. Details of the facilities available in Boston and District are as follows :—

Boston General Hospital—Acute General.

London Road Hospital—General, Orthopaedic and Traumatic Surgery and Ophthalmic.

White House Hospital, Fishtoft—Infectious and Chest Diseases.

Wyberton West Hospital—Medical and Maternity to 19th November, 1970. On 19th November, 1970 maternity patients were transferred to Pilgrim Hospital.

Woodlands Court, Kirton—Chronic Sick.

Freiston Hall Children's Hospital—Pre-Convalescent Children.

Pilgrim Hospital—Maternity (from 19th November, 1970).

## THE SCHOOL HEALTH SERVICES :—

These services are provided by the Holland County Council.

## TREATMENT CENTRES AND CLINICS :—

The following clinics, etc., are conducted by the Holland County Council.

Ferry House, London Road :—

Infant Welfare.

Cytology.

Dental.

Speech Therapy.

Intelligence testing and medical examinations.

The Cleansing Station for the treatment of Scabies.  
etc.

Allan House, Carlton Road :—

Infant Welfare.

Chiropody.

Audiometric.

The Child Guidance Centre is in Tower Street.

## NATIONAL ASSISTANCE ACT, 1948. SECTION 47—REMOVAL TO SUITABLE PREMISES OF PERSONS IN NEED OF CARE AND ATTENTION :—

No new cases requiring action under the above Section came to notice during the year.

## MATERNITY AND CHILD WELFARE SERVICES :—

These services are provided by the Holland County Council.



## **SECTION C**

### **SANITARY CIRCUMSTANCES OF THE BOROUGH.**

To the Mayor, Aldermen and Councillors  
of the Borough of Boston.

Mr. Mayor, ladies and gentlemen,

I have pleasure in presenting my report upon the sanitary circumstances of the Borough.

The sewerage of the west side of the Borough was completed in 1967 but until last year a few premises remained unconnected to the sewer and I am pleased to report that this position has now been remedied. Not only has the sewerage scheme opened up considerable areas for development but it has produced a great improvement in the environment in many roads where overflowing cesspools and polluted ditches were permanent features of the landscape. Some areas still suffer from inadequate land drainage but at least the gardens are no longer flooded with dilute sewage. This problem is receiving attention but a solution is not made easier by the fact that the Corporation, the house owners and the Drainage Board are all involved in it.

In the field of Housing, the main emphasis during the year was on improvement rather than demolition. Improvement grants were made in respect of 58 houses but a more interesting development was the declaration of the first General Improvement Area under the powers contained in the Housing Act 1969. This was an area containing seventy houses situated in Vauxhall Road, Windsor Bank, Church Road and Bradshaw's Terrace. It is the Council's intention to carry out environmental improvements by purchasing land to give vehicular access to the rear of most of the houses, and also to provide a number of garages. At the same time house owners will be encouraged to make the best possible job of improving their houses with the aid of Improvement Grants. The Government is now placing great emphasis on the improvement of existing houses and while this is not intended as an alternative to slum clearance, it will be necessary to re-examine some areas to see if wholesale demolition can be replaced by selective demolition accompanied by improvement of the better houses. I do not anticipate any dramatic results from this exercise but if only a few houses can be given a new lease of life it will be well worth the effort.

Over 70% of the complaints received related either to choked drains or infestation by rats or mice. Of the others, an increasing number related to dampness, which on investigation

was found to be due to condensation. This is a problem which is aggravated on the one hand by present day design and materials used in house construction, and on the other by the mode of life of many households where both husband and wife go to work and the house is left empty and probably unheated for most of the day. This is a problem which needs and is receiving a great deal of attention but even in those cases where the remedy is obvious, it is frequently unacceptable to the complainant as invariably it involves greater expenditure on heating or on insulation.

In all over 4,300 visits or inspections were carried out, excluding visits to slaughterhouses for the purpose of meat inspection. This total number is not unsatisfactory but it is regretted that the time devoted to food hygiene was less than it should have been. This will need to be remedied but it will mean that less time can be spent on other aspects of our work.

The Meat Inspector was kept fully occupied as there was an increase of over 7,700 in the number of cattle and cows slaughtered which was not compensated by a drop of over 6,000 in the numbers of pigs killed. There was a slight decrease in the amount of Saturday meat inspection but evening working up to 7 p.m. or 7.30 p.m. increased a little. In general, evening work resulted from late delivery of animals from market rather than from increased slaughtering.

During the year there were no changes in the staff, all of whom worked very well both individually and as a team. In December, Mr. P. Jackson, the Trainee Public Health Inspector, was successful in his final examination and early in the New Year took up an appointment as Additional Public Health Inspector with the Rural District Council of Spilsby. Only after he had left did we appreciate how much useful work he had carried out during his final year.

In conclusion I wish to record my thanks to the Chairman and Members of the Public Health Committee for their tolerance and encouragement, my fellow Chief Officers and particularly Dr. Hird for their help and advice, and all the members of the Health Department for the good work that they have done during the year.

I am,

Mr. Mayor, ladies and gentlemen,

Your obedient servant,

G. E. CHAMBERLAIN,

Chief Public Health Inspector.



## WATER SUPPLY.

I am indebted to Mr. Ian A. Campbell, Engineer, East Lincolnshire Water Board for the following report on the Borough Water Supply :—

### 1. Sources of Supply.

- (a) **Fordington** (boreholes in the Spilsby Sandstone—safe yield 1 m.g.d.) in the Spilsby Rural District and 4 miles north of Spilsby and approximately 20 miles from Boston.
- (b) **Revesby** (impounding Reservoir and Catchment Area approximately 2,000 acres—safe yield 0.2 m.g.d.) in the Horncastle Rural District and approximately 12 miles from Boston.
- (c) Bulk supplies from the South Lincolnshire Water Board (Supply Points—London Road, Fishtoft Road and Clifton Road). Maximum possible quantity 1 m.g.d.

### 2. Rainfall.

The rainfall at Revesby during the year 1970 was 25.04 inches (annual average—25.33 inches).

Rainfall at Fordington in 1970 was 28.15 inches.

### 3. (a) Volume of Water Supplied with Comparison for 1969.

THOUSANDS OF GALLONS.

Year	Revesby	Av. G.P.D	Fordington	Av. G.P.D.	Bulk	Av. G.P.D.	Total	Av. G.P.D.
1969	234,580	643	241,663	662	225,454	618	701,697	1,923
1970	173,336	475	268,083	734	250,854	687	692,273	1,896
+								
—	61,244	168	26,420	72	25,400	69	9,424	27

N.B.—In addition to the supplies to Boston Borough, the above figures given, include supplies in the parishes of West Fen, Carrington, Frithville, Sibsey, Westville, Thornton-le-Fen and Langrville in the Spilsby Rural District; the parish of Revesby in the Horncastle Rural District; and parts of the parishes of Fishtoft and Brothertoft in the Boston Rural District.

### (b) Consumption for 1970.

(i) The domestic consumption per head per day was 38 gallons.

(ii) Total metered consumption per day was 717,331 gallons (23.1 gallons per head per day).

Thus consumption for 1970 equates to 61 gallons per head per day for all purposes (including waste).

#### 4. Quality of Water.

(i) Monthly samples of the raw and treated water passing to supply at Revesby and Fordington have been submitted to the Public Analyst at Nottingham (E. Fogden, Esq., B.Sc., F.R.I.C.) and 199 samples of the water in the mains have been submitted to the Public Health Laboratory Service at Lincoln for the bacteriological analysis. No adverse reports have been received in respect of treated water passing into supply.

(ii) The water has no plumbo-solvent action.

#### 5. Quantity of Water.

(i) The supply during the year was satisfactory.

(ii) The proportion of the houses in the Borough supplied by standpipes and outside taps is relatively small and mainly confined to old parts of the town. Less than 1% of the approximate 9,300 houses are without piped water supply.

#### WATER SAMPLING BY THE PUBLIC HEALTH DEPARTMENT :—

The following samples were examined during the year :—

Bacteriological	...	...	...	92
Chemical	...	...	...	8

All the chemical samples and 89 of the bacteriological samples were satisfactory, the remaining 3 being reported as "Suspicious". In each case immediate follow-up samples were taken and gave satisfactory results.

#### DRAINAGE AND SEWERAGE :—

Works of sewerage during the year have been restricted to routine maintenance and repair except that new sewers are in course of construction for the Corporation on a private housing development at Hessle Avenue and on various sites for private developers.

#### PUBLIC CLEANSING AND SALVAGE SCHEMES :—

A regular weekly collection of refuse has been maintained and requests for removal on changes of tenancy and extra bulk have been complied with. Tipping continues on the site of the old golf course. Salvage continues to be satisfactory and 774 tons of waste paper were sold.

Costs for the year ending the 31st March, 1970 were :—

	£
Refuse collection	30,155
Refuse disposal	4,544
Salvage collection	11,390
	<hr/>
	46,089
Less Income	12,152
	<hr/>
	£33,937
	<hr/>

Information on Drainage and Sewerage, Public Cleansing and Salvage Schemes and the statistics in Section D relating to new buildings have kindly been supplied by the Borough Surveyor, Mr. C. R. Theobald, F.I.Mun.E., A.R.I.C.S., L.R.I.B.A.

#### SWIMMING BATHS :—

These continue to be a well-used amenity and during the hot weather some very high attendance figures were recorded. Frequent sampling was carried out and of the 44 samples examined bacteriologically all but 4 were satisfactory. In the 4 “doubtful” cases prompt action by the Baths Manager quickly restored the water to a satisfactory state.

#### MEASURES AGAINST INFESTATION :—

For the first time for four years the numbers of premises treated for rats or mice declined. However, the number treated was still over 270—more than one for every working day of the year. It might appear that we are doing no more than holding our own against rodents but in fact I think that some progress is being made as it is now unusual to come across a large infestation. However, it would be more satisfactory if over the next few years we were to see a steady decline in the number of treatments required.

The number of wasps’ nests destroyed was 107, practically the same as last year. In all 185 complaints of various insect infestations were dealt with and this job together with rodent destruction has continued to be very efficiently discharged by our contractors.

Below are details of the premises treated for rats or mice during the past three years.

Year	No. of Premises treated	No. of visits made
1968	309	314
1969	347	371
1970	276	280

#### SUMMARY OF INSPECTIONS DURING THE YEAR :—

					Inspections	Revisits and Routine Inspections
Housing Act	(1957	...	...	...	132	627
	(1969	..	...	...	60	360
Overcrowding	...	...	...	...	7	1
Public Health Acts	...	...	...	...	95	532
Drainage	...	...	...	...	47	319
Offensive Trades	...	...	...	...	—	9

	Inspections	Revisits and Routine Inspections
Licensing Act & Gaming Act ... ..	11	7
Theatres Act, 1968 ... ..	4	3
Caravan Act ... ..	12	161
Food Hygiene ... ..	10	148
Market Stalls and Del. Veh. Regs. ... ..	4	60
Imported Food ... ..	1	8
Chicken Inspection ... ..	—	252
Slaughterhouses (Structure) ... ..	—	3
Factories ... ..	5	27
Outworkers' Premises ... ..	2	—
Clean Air Act ... ..	4	2
Smoke Observation ... ..	2	50
Noise Abatement Act ... ..	21	25
Visits to Dock ... ..	4	304
Vessels inspected ... ..	37	101
Dysentery and Food Poisoning ... ..	34	136
Infectious Diseases ... ..	1	—
Rat Infestation ... ..	33	84
Insect Infestation ... ..	10	13
Pet Animals Act/Animal Boarding Establishment Act ... ..	1	7
Other visits or inspections ... ..	22	221
Total ...	559	3460
Interviews ... ..		246
Number of visits to slaughterhouses ... ..		2399
Visits re unsound food ... ..		59

### Samples Taken

Water :—	
Public Supply ... ..	100
Swimming Baths ... ..	44
Other ... ..	3
	— 147
Ice Cream ... ..	30
Mussels ... ..	10
Whelks ... ..	2
Poultry ... ..	53
Other Foods ... ..	12

### Drains

Drains Tested ... ..	15
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### Other Public Health Work

Disinfections ... ..	1
Disinfestations ... ..	3

## OFFICE WORK :—

### Informal Notices

	Served	Complied with
Housing Act 1957 & 1969 ...	41	16
Public Health Acts, 1936 & 1961	35	26
Dustbin ... ..	4	6

### Statutory Notices

	Served	Complied with
Housing Act 1957, Sect. 9 ...	Nil	Nil
Public Health Acts. 1936 & 1961	12	13
Dustbin ... ..	Nil	Nil

## NUISANCES REPORTED AND COMPLAINTS RECEIVED :—

Total number of complaints received ... .. 916

The following are details of complaints received and remedied :—

General Housing Complaints ... ..	19
Overcrowding ... ..	2
Defective W.C.'s ... ..	3
Caravans ... ..	7
Fleas, Beetles, etc. ... ..	18
Ants ... ..	48
Wasps' and Bees' Nests ... ..	119
Rats and Mice ..... ..	311
Choked Drains and Sewers ... ..	337
Defective Drains ... ..	7
Smoke Nuisances ... ..	3
Noise Nuisances ... ..	4
Smell Nuisances ... ..	16
Other Nuisances ... ..	11
Unsound Food ... ..	1
Miscellaneous ... ..	10

## NUISANCES FROM PREMISES OTHER THAN DWELLINGS :—

Factories ... ..	2
Piggeries ... ..	1
Other Premises ... ..	1

### Other Items.

## COMMON LODGING HOUSES :—

There are no registered common lodging houses in the town.



# **FACTORIES:—**

Particulars of visits to factories are contained in the following tables.

## **FACTORIES ACT, 1961.**

### **Annual Report of the Medical Officer of Health in respect of the year 1970 for the Borough of Boston in the County of Holland (Lincs.)**

#### **PART I OF THE ACT.**

#### **1. Inspections for purposes of provisions as to health.**

Premises (1)	Number on Register (2)	Number of		
		Inspections (3)	Written Notices (4)	Occupiers prosecuted (5)
(i) Factories in which Sections 1, 2, 3, 4 and 6 are to be enforced by Local Authorities	176	13	1	Nil
(ii) Factories not included in (i) in which Section 7 is enforced by the Local Authority ....	6	4	Nil	Nil
(iii) Other Premises in which Section 7 is enforced by the Local Authority (excluding out-workers' premises)	20	15	Nil	Nil
Total ....	202	32	1	Nil

#### **2. Cases in which defects were found.**

Particulars  (1)	Number of cases in which defects were found				No. of cases in which prosecutions were instituted  (6)
	Found  (2)	Remedied  (3)	Referred		
			To H.M. Inspector (4)	By H.M. Inspector (5)	
Want of cleanliness (S.1) ....	Nil	Nil	Nil	Nil	Nil
Overcrowding (S.2) ....	Nil	Nil	Nil	Nil	Nil
Unreasonable temperature (S.3) ....	Nil	Nil	Nil	Nil	Nil
Inadequate ventilation (S.4) ....	Nil	Nil	Nil	Nil	Nil
Ineffective drainage of floors (S.6) ....	Nil	Nil	Nil	Nil	Nil
Sanitary Conveniences (S.7)					
(a) Insufficient ....	Nil	Nil	Nil	Nil	Nil
(b) Unsuitable or defective ....	1	Nil	Nil	1	Nil
(c) Not separate for sexes ....	Nil	Nil	Nil	Nil	Nil
Other offences against the Act (not including offences relating to Outwork) ...	Nil	Nil	Nil	Nil	Nil
Total ....	1	Nil	Nil	1	Nil

# PART VIII OF THE ACT.

## Outwork.

(Sections 133 and 134)

Nature of Work	Section 133			Section 134		
	No. of out-workers in August list required by Section 133(1)(c)	No. of cases of default in sending lists to the Council	No. of prosecutions for failure to supply lists	No. of instances of work in un-wholesome premises	Notices served	Prosecutions
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Wearing Apparel : Making, etc.	1	Nil	Nil	Nil	Nil	Nil
Total ..	1	Nil	Nil	Nil	Nil	Nil

### OUTWORKERS' PREMISES :—

Only one outworker is registered and the premises are satisfactory. No case of infectious disease occurred on these premises.

### OFFICES, SHOPS AND RAILWAY PREMISES ACT, 1963 :—

The following tables show the number of premises that have been registered and the number of persons employed in those premises. It should be noted that one man businesses and those in which only members of the proprietor's family are employed do not require registration.

### Registrations and General Inspections.

Class of premises (1)	Number of premises newly registered during the year (2)	Total number of registered premises at end of year (3)	Number of registered premises receiving one or more general inspections during the year (4)
Offices ... ..	6	140	20
Retail shops ... ..	11	256	72
Wholesale shops, warehouses ... ..	2	23	2
Catering establishments open to the public, canteens ... ..	2	33	9
Fuel storage depots ... ..	—	—	—
<b>TOTAL</b>	<b>21</b>	<b>452</b>	<b>103</b>



ANALYSIS BY WORKPLACE OF PERSONS EMPLOYED IN  
REGISTERED PREMISES AT END OF YEAR.

Class of workplace (1)	Number of persons employed (2)
Offices ... ..	1249
Retail shops ... ..	1387
Wholesale departments, ware- houses ... ..	208
Catering establishments open to the public ... ..	251
Canteens ... ..	7
Fuel storage depots ... ..	—
<b>TOTAL</b>	<b>3102</b>
<b>TOTAL MALES</b>	<b>1353</b>
<b>TOTAL FEMALES</b>	<b>1749</b>

## **SECTION D**

### **HOUSING.**

Number of Houses erected in the Borough during the year :—

	<b>Houses</b>	<b>Bungalows</b>	<b>Flats</b>
(a) By private enterprise ...	77	71	10
(b) By the Council ... ..	—	42	—

Number under construction at the end of 1970 :—

	<b>Houses</b>	<b>Bungalows</b>	<b>Flats</b>
(a) By private enterprise ...	85	85	39
(b) By the Council ... ..	—	5	—

### **SLUM CLEARANCE :—**

The following information shows the progress made in rehousing and demolition.

### **REPAIR AND DEMOLITION :—HOUSES IN CLEARANCE AREAS AND UNFIT HOUSES ELSEWHERE.**

#### **Houses Demolished**

In Clearance Areas :—

Unfit for human habitation ... ..	25
Included by reason of bad arrangement ... ..	Nil
On land acquired under Section 43(2) Housing Act, 1957 ... ..	4

Not in Clearance Areas :—

As a result of action under Section 16 or 17(1) Housing Act, 1957 ... ..	Nil
--	-----

Number of houses included above which were previously reported as closed in pursuance of closing orders or undertakings :—

Not in or adjoining clearance areas ... ..	Nil
--	-----

#### **Unfit Houses Closed**

Under Sections 16(4), 17(1) and 35(1) Housing Act, 1957 and Section 26 Housing Act, 1961 ... ..	2
---	---

#### **Number of Persons and Families Displaced**

	<b>No. of Persons</b>	<b>No. of Families</b>
From houses in clearance areas ... ..	28	10
From houses not in clearance areas ... ..	16	6
From houses to be closed ... ..	4	2

# SECTION E

## INSPECTION AND SUPERVISION OF FOOD.

### SLAUGHTERHOUSES AND MEAT INSPECTION :—

#### Carcases and Offal inspected and condemned in whole or in part.

	Cattle excluding Cows	Cows	Calves	Sheep and Lambs	Pigs	Horses
Number killed } Number inspected } <b>All diseases except Tuberculosis and Cysticerci :</b>	2872	18015	1781	5456	13953	Nil
Whole carcases con- demned ....	21	38	44	51	73	—
Carcases of which some part or organ was condemned ....	281	11525	129	254	1100	—
Percentage of the number inspected affected with disease other than tubercu- losis and cysticerci	10.5	64.2	9.7	5.6	8.4	—
<b>Tuberculosis only :</b>						
Whole carcases con- demned ....	—	—	—	—	—	—
Carcases of which some part or organ was condemned ....	3	22	—	—	33	—
Percentage of the number inspected affected with tuber- culosis ....	.10	.12	—	—	.24	—
<b>Cysticercosis :</b>						
Carcases of which some part or organ was condemned ....	8	51	—	—	—	—
Carcases submitted to treatment by refrig- eration ....	—	—	—	—	—	—
Generalised and totally condemned ....	—	—	—	—	—	—

### Meat Destroyed

	Beef	Mutton	Pork	Total
Carcases whole with offal ....	103	51	73	227
Forequarters ....	8	2	3	13
Hindquarters ....	—	—	—	—
Plucks ....	—	131	41	172
Heads and Tongues ....	160	—	61	221
Livers ....	9160	38	189	9387
Lungs ....	477	—	604	1081
Intestines ....	4	—	—	4
Miscellaneous ....	3915	110	340	4365
Meat ..	13034 lbs.	480 lbs.	742 lbs.	14256 lbs.

### HYGIENE OF FOOD PREMISES :—

158 visits were made to premises to which the Food Hygiene (General) Regulations, 1960, apply. No flagrant breaches of the Regulations were recorded, but numerous minor infringements were dealt with on the spot and where necessary followed up with a written warning. The following table gives details of the premises to which the Regulations apply :—

	No. of Premises	No. of Premises fitted to comply with Reg. 16	No. of Premises to which Reg. 19 applies	No. of Premises fitted to comply with Reg. 19.
Grocers and General Dealers	76	75	73	73
Hotels, Public Houses and Licensed Clubs	70	69	70	70
Butchers	26	25	25	25
Fried Fish Shops	19	19	19	19
Cafes, Restaurants, etc.	18	18	18	18
Bakers	13	13	13	13
Canteens	13	13	13	13
Confectioners	8	8	5	5
Greengrocers and Fruiterers	6	6	5	5
Off-Licences	3	3	2	2
Fishmongers	3	3	3	3
Ice Cream Manufacturers	3	3	3	3

## POULTRY INSPECTION :—

There is one poultry packing station in the Borough which deals almost exclusively with broilers. A small number of capons are processed near Christmas, these representing 2.7% of the total.

Number of visits to premises	...	...	252
Approximate total number of birds processed	...	...	3,203,400
Number of birds rejected as unfit for human consumption	...	...	31,792
Percentage of birds rejected as unfit for human consumption	...	...	.99%
Weight of poultry rejected	...	...	35 tons 10 cwts.

Inspection is carried out initially by members of the staff at the packing station who have been trained to spot abnormalities of carcasses and organs and who also reject poor or underweight birds. A Public Health Inspector visits the station daily, principally to check on hygienic practises but he also examines some of the rejected carcasses to identify the condition causing rejection.

This system can work only with the wholehearted co-operation of the management and I am pleased to say that this is readily given.

## ACTION UNDER REGULATION 20, MILK AND DAIRIES REGULATIONS, 1949 :—

No action was necessary under the above Regulation during 1970.

## FOOD POISONING :—

Outbreak (Salmonella typhimurium)	...	13 Cases.
Other (Salmonella typhimurium)	...	4 Cases.
(Salmonella enteritidis)	...	1 Case.
		—
		18
		—

## ICE-CREAM :—

There are six manufacturers of ice-cream in the town and 123 premises are registered for the sale of ice-cream. 30 samples were taken, the results being as follows :—

Number of samples classified Grade I	...	14
Number of samples classified Grade II	...	7
Number of samples classified Grade III	...	4
Number of samples classified Grade IV	...	5

## SECTION F

### PREVALENCE OF, AND CONTROL OVER, INFECTIOUS AND OTHER DISEASES.

The following table shows the total number of infectious diseases notified and confirmed during the year and the numbers admitted to hospital.

#### Notifiable Diseases during the Year 1970.

Disease	Cases Notified	Confirmed Cases	Cases admitted to Hospital
Acute Meningitis ... ..	2	2	2
Dysentery ... ..	2	2	Nil
Food Poisoning ... ..	18	18	Nil
Infective Jaundice ... ..	5	5	Nil
Measles ... ..	195	195	Nil
Ophthalmia Neonatorum ... ..	1	1	1
Scarlet Fever ... ..	2	2	Nil
Whooping Cough ... ..	10	10	Nil

#### Infectious Diseases notified 1961-1970.

Disease	1970	1969	1968	1967	1966	1965	1964	1963	1962	1961
Acute Encephalitis : (Post Infectious)	—	1	1	—	—	—	—	—	—	—
Acute Meningitis	2	5	—	—	—	—	—	—	—	—
Acute Polio-myelitis :										
Paralytic ...	—	—	2	—	—	—	—	—	—	—
Non-Paralytic	—	—	1	—	—	—	—	—	—	—
Dysentery ...	2	—	1	66	74	3	1	132	176	6
Food Poisoning	18	1	2	6	1	14	2	1	7	13
Infective Jaundice ... ..	5	65	12	—	5	2	—	—	—	—
Measles ... ..	195	13	45	455	104	597	84	242	251	486
Ophthalmia Neonatorum ...	1	—	—	—	—	1	—	—	—	—
Scarlet Fever ...	2	1	8	9	5	17	7	20	47	27
Whooping Cough	10	16	24	50	20	43	21	1	2	43

In order to prevent the spread of Infectious Disease, International Regulations require travellers to be inoculated or vaccinated against certain specified diseases such as Smallpox, Cholera and Yellow Fever. Certificates to this effect are required to be authenticated by the Medical Officer of Health and many such certificates have been completed during the year.



TUBERCULOSIS :—

Cases notified within the Borough come under the control of Dr. A. M. Forrest, Chest Physician, South Lincolnshire Area.

TUBERCULOSIS. New Cases and Deaths.

Age Periods	New Cases				Deaths			
	Respiratory		Non-Respiratory		Respiratory		Non-Respiratory	
	M.	F.	M.	F.	M.	F.	M.	F.
0—1	—	—	—	—	—	—	—	—
1—5	—	—	—	—	—	—	—	—
5—15	—	—	—	—	—	—	—	—
15—25	—	1	—	—	—	—	—	—
25—35	—	—	—	—	—	—	—	—
35—45	—	—	—	—	—	—	—	—
45—55	—	—	—	—	—	—	—	—
55—65	—	—	—	—	—	—	—	—
Over 65	—	—	—	—	—	—	—	—
Total	—	1	—	—	—	—	—	—

SUMMARY OF CASES ON THE TUBERCULOSIS REGISTER 1961-1970.

Year	Cases on Register			Notifications each year			Deaths		
	Pul.	Non-Pul.	Total	Pul.	Non-Pul.	Total	Pul.	Non-Pul.	Total
1961	125	26	151	11	1	12	1	—	1
1962	128	26	154	8	2	10	2	—	2
1963	126	26	152	5	1	6	2	—	2
1964	123	27	150	8	2	10	5	—	5
1965	121	27	148	5	1	6	1	—	1
1966	120	28	148	6	1	7	2	—	2
1967	123	29	152	6	1	7	1	—	1
1968	120	29	149	4	—	4	3	—	3
1969	121	26	147	4	—	4	—	2	2
1970	118	26	144	1	—	1	—	—	—



## TUBERCULOSIS REGISTER.

	Males		Females		Total
	Pul.	Non-Pul.	Pul.	Non-Pul.	
(a) Number of cases on Register at beginning of year	68	14	53	12	147
(b) Number of cases notified for first time in year ....	—	—	1	—	1
(c) Number of cases restored to Register ....	—	—	—	—	—
(d) Number of cases added to Register other than by formal notification ....	—	—	—	—	—
(e) Number of cases removed from Register during the year ...	2	—	2	—	4
(f) Number of cases remaining on Register on 31st Dec., 1970 ...	66	14	52	12	144

### IMMUNISATION AND VACCINATION :—

All arrangements in connection with immunisation and vaccination within the Borough are under the control of the Holland County Council.

The following information has kindly been supplied by the County Health Department.

### IMMUNISATION :—

#### Diphtheria :

Under 1 year	...	...	...	...	155
1 and under 5 years	...	...	...	...	215
5-14 years	...	...	...	...	10
					380
Number of Booster Injections	...	...	...	...	938

#### Combined Diphtheria, Whooping Cough and Tetanus :

Under 5 years	...	...	...	...	370
---------------	-----	-----	-----	-----	-----

Percentage of children immunised against Diphtheria in relation to the child population at 31.12.70 :—

Under 1 year	...	...	...	...	37.8%
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### VACCINATION AGAINST MEASLES :—

Under 1 year	...	...	...	...	5
1 and under 5 years	...	...	...	...	411
5-15 years	...	...	...	...	155
					571

## VACCINATION AGAINST SMALLPOX :—

### Primary Vaccinations :—

Under 1 year	...	...	...	...	...	...	33
1 year	...	...	...	...	...	...	138
2-4 years	...	...	...	...	...	...	42
5-14 years	...	...	...	...	...	...	15
15 years and over	...	...	...	...	...	...	59
							<hr/> 287 <hr/>

### Re-vaccinations :—

1 year	...	...	...	...	...	...	—
2-4 years	...	...	...	...	...	...	7
5-14 years	...	...	...	...	...	...	9
15 years and over	...	...	...	...	...	...	108
							<hr/> 124 <hr/>

## VACCINATION AGAINST POLIOMYELITIS :—

The position of poliomyelitis vaccination at 31st December, 1970 was as follows :—

Of the babies born in 1970 31.5% had been vaccinated at 31st December, 1970 and by 31st March, 1971 this figure had risen to 51.5%.

Comparable figures for 31st December, 1969 and 31st March, 1970 were 25.3% and 42.3%.

## OTHER PRE-SCHOOL AGES.

					Percentage Vaccinated	
Born in					1970	1969
1969	...	...	...	...	74.4	25.3
1968	...	...	...	...	79.6	75.0
1967	...	...	...	...	86.7	85.4
1966	...	...	...	...	85.0	84.0

The above figures and those following show a steady increase, the pre-school age group being slightly higher than the school age group.

## SCHOOL AGE GROUP.

					Percentage Vaccinated	
Born in					1970	1969
1965	...	..	...	...	88.6	86.0
1964	...	...	...	...	88.9	88.0
1963	...	...	...	...	83.2	82.9
1962	...	...	...	...	86.2	85.9
1961	...	...	...	...	90.3	90.3
1960	...	...	...	...	80.8	80.8
1959	...	...	...	...	93.8	93.5
1958	...	...	...	...	90.2	90.2
1957	...	...	...	...	94.1	94.1
1956	...	...	...	...	83.1	83.1
1955	...	...	...	...	88.1	88.1
1954	...	...	...	...	86.1	86.1

### Re-inforcing Dose 15 years to 18 years inclusive.

Children of this age group are contacted through the help of Head Teachers of Senior Schools each year. Those who have left school are contacted by post.

The number of children of this age group who had received this further dose at 31st December 1970 was 643.

**ANNUAL REPORT**  
**OF THE**  
**MEDICAL OFFICER OF HEALTH**  
**AND OF THE**  
**CHIEF PORT HEALTH INSPECTOR**

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**PART II**

**BOSTON PORT HEALTH AUTHORITY**

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YEAR ENDED 31st DECEMBER, 1970.

# **BOSTON PORT HEALTH AUTHORITY**

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## **ANNUAL REPORT OF THE MEDICAL OFFICER OF HEALTH.**

**YEAR ENDED 31st DECEMBER, 1970.**

To : The Mayor, Aldermen and Burgesses  
of the Borough of Boston,  
being the Boston Port Health Authority, as constituted  
by the Boston Port Orders, 1933 and 1939.

Mr. Mayor, Ladies and Gentlemen,

I have much pleasure in presenting to you the Annual Report of the Port Medical Officer of the Boston Port Health Authority for the year ended 31st December, 1970, in accordance with Regulation 12(4) of the Public Health Officers (Port Health Districts) Regulations, 1959. The Report has been prepared in accordance with Form Port 20 as instructed by the Department of Health and Social Security.

During the year there was a further decrease in the amount of ships entering the Dock from foreign ports, 842 compared with 936 in 1969. There was, however, a slight increase in the number of coastwise ships, 91 as compared with 57 in 1969. This gave a total of 933, an overall decrease of 60. Foreign tonnage amounted to 224,405 whilst coastwise tonnage was 20,649, a total of 245,054. The tonnage for 1969 was 260,691.

It is always interesting to look back at previous years. For instance only 5 years ago, in 1965, a total of 1,660 ships entered the Dock, 1,352 foreign and 308 coastwise, representing a total tonnage of 372,473. In other words only a little more than half the number of ships entered the Port in 1970 compared with 1965 (56%) whilst the tonnage was 65% of what it was in 1965. It makes one wonder what the future may bring?

There was little change in the cargoes both imported and exported.

The number of ships inspected by the Port Health Inspectors totalled 140. 41 Deratting Exemption Certificates were issued. No cases of infectious diseases were reported on board any of the ships during the voyage and none were notified whilst in dock.

I should like to thank H.M. Customs and Waterguard Officers for their help and co-operation on all occasions, the Port Health Inspectors, the Port Manager and his Staff and all others connected with the Port for their continued assistance at all times.

Yours faithfully,

G. HIRD,

Port Medical Officer of Health.

Public Health Department,  
6, Bridge Street,  
BOSTON, Lincs.  
March, 1971.

# **SECTION I—Staff.**

**TABLE A.**

Name of officer	Nature of appointment.	Date of appointment.	Qualifications.	Any other appointments held.
HIRD, G.	Port Medical Officer of Health.	1.5.58.	M.B., Ch.B., D.P.H.	Assistant C.M.O.—Holland County Council. Medical Officer of Health—Borough of Boston. Medical Officer of Health—Boston R.D.C.
CHAMBERLAIN, G. E.	Chief Port Health Inspector.	15.10.45.	Cert.S.I.B., Cert. Meat & Food Inspector.	Chief Public Health Inspector—Borough of Boston.
MILSOM, D. H.	Deputy Chief Port Health Inspector.	1.10.59.	Cert.S.I.B., Cert. Meat & Food Inspector.	Deputy Chief Public Health Inspector—Borough of Boston.
BOWRAN, C. D.	Additional Port Health Inspector.	17.7.67.	Dip. P.H.I.E.B.	Additional Public Health Inspector—Borough of Boston.

Address and telephone number of the Medical Officer of Health

Public Health Department,  
6 Bridge Street, BOSTON, Lincs.  
BOSTON 4601 (six lines).



**SECTION II—Amount of shipping entering the district during the year**

**TABLE B.**

Ships from	Number	Tonnage	Number inspected		Number of ships reported as having, or having had during the voyage, infectious disease on board
			By the Medical Officer of Health	By the Port Health Inspectors	
Foreign Ports	842	224,405	1	131	Nil
Coastwise ....	91	20,649	Nil	9	Nil
Total ....	933	245,054	1	140	Nil

**SECTION III—Character of shipping and trade during the year.**

**TABLE C.**

<b>PASSENGER TRAFFIC</b> ....	<p>Number of passengers INWARDS : 20</p> <p>Number of passengers OUTWARDS : 12</p>
<b>CARGO TRAFFIC</b> ....	<p>Principal IMPORTS : Deals, Battens and Boards, Fertilizers, Fruit and Vegetables, Glucose, Grain, Perlite, Potatoes, Salt, Sand, Sleepers, Starch, Steel, Telegraph Poles and General.</p> <p>Principal EXPORTS : Cattle, Coal, Fertilizers, Grain, Pig Iron, Potatoes, Sleepers, Steel and General.</p>
<b>FOREIGN PORTS</b> from which ships arrive ....	<p><b>BELGIUM</b> : Antwerp, Nieuport, Ghent.</p> <p><b>CYPRUS</b> : Famagusta.</p> <p><b>DENMARK</b> : Esbjerg, Skagen, Thyboron.</p> <p><b>EGYPT</b> : Alexandria.</p> <p><b>FINLAND</b> : Hamina, Haukipudas, Kasko, Yxpila.</p> <p><b>FRANCE</b> : Bayonne, Brest, Bordeaux, Dunkirk, Le Legue, Rouen, St. Malo.</p> <p><b>GERMANY</b> : Bremen, Duisburg, Hamburg, Neuss, Rostock, Wismar.</p> <p><b>GREECE</b> : Milos</p> <p><b>HOLLAND</b> : Amsterdam, Koog Aan de Zaan, Maassliis, Rotterdam, Terneuzen, Urk, Ymuiden.</p> <p><b>ITALY</b> : Ancona, Naples, Salerno.</p> <p><b>MOROCCO</b> : Agadir, Casablanca, Mohammedia, Tangier.</p> <p><b>NORWAY</b> : Aaheim, Halsa, Haugesand, Moss, Skagen.</p> <p><b>POLAND</b> : Danzig, Gdansk, Stettin.</p> <p><b>PORTUGAL</b> : Leixoes, Lisbon.</p> <p><b>RUSSIA</b> : Archangel.</p> <p><b>SARDINIA</b> : Oristano, Porto Torres.</p> <p><b>SPAIN</b> : Carthagera.</p> <p><b>SWEDEN</b> : Burea, Karlshamn, Karlstad, Oxelosund.</p> <p><b>UNITED STATES</b> : Baltimore.</p>



#### **SECTION IV—Inland barge traffic.**

No inland barge traffic entered the port during the year.

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#### **SECTION V—Water supply.**

**1. Source of supply for**

- (a) **The District.**
- (b) **Shipping.**

The supply for both (a) and (b) is obtained from the East Lincolnshire Water Board.

**2. Reports of tests for contamination.**

Frequent bacteriological examinations of the water are carried out and all the reports have been satisfactory.

**3. Precautions taken against contamination of hydrants and hose-pipes.**

All such fittings are properly housed in protective boxes to prevent contamination. All receive constant flushing by regular use, and are generally maintained in a satisfactory condition.

**4. Number and sanitary condition of water boats, and powers of control by the Authority.**

There are no water boats in the Port.

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#### **SECTION VI—Public Health (Ships) Regulations, 1966.**

**1. List of Infected Areas. (Regulation 6).**

**Arrangements for the preparation and amendment of the list, the form of the list, the persons to whom it is supplied, and the procedure for supplying it to those persons.**

The Port Manager, the Pilot Master and H.M. Customs are each supplied with a list of infected areas which is amended as necessary from the Weekly Epidemiological Record published by the World Health Organisation.

**2. Radio Messages.**

- (a) **Arrangements for sending permission by radio for ships to enter the district. (Regulation 13).**

- (b) **Arrangements for receiving messages by radio from ships and for acting thereon. (Regulation 14(1) (a) and (2)).**

Boston is not a radio transmitting or receiving port.

**3. Notifications otherwise than by radio. (Regulation 14 (1) (b)).**  
**Arrangements for receiving notifications otherwise than by radio and for acting thereon.**

The Pilot Boarding Station, 5 miles from the Port in the Wash, is connected by V.H.F. telephone with the Dock Master's Office and information of vessels requiring special attention is transmitted by the pilots. The Medical Officer is immediately informed by telephone and the vessel can be sent to the Quarantine Station to await the Medical Officer.

**4. Mooring Stations. (Regulations 22 to 30).**

**Situation of stations, and any standing directions issued under these Regulations.**

- (a) **Within the Docks :** The vacant berth in Boston Dock.
- (b) **Outside the Docks :** The Quarantine Station—"Clay Hole".

## 5. Arrangements for :—

- (a) **Hospital accommodation for infectious diseases (other than smallpox—see Section VII) :**

Such accommodation is available at the White House Hospital, Fishtoft.

- (b) **Surveillance and follow up of contacts :**

All contacts are interrogated personally, and are fully informed as to their obligations. At the same time a note is taken of the address to which each is proceeding, and if this is situated outside the area of the Authority, prompt notification of the fact is given to the Local Authority concerned. A supply of pre-paid printed postcards is available, and one is issued in every case to enable the Port Medical Officer to be notified of any change of address.

- (c) **Cleansing and disinfection of ships, persons, clothing and other articles :**

The cleansing and disinfection of ships is carried out by the Port Health Authority's staff under the supervision of the Chief Port Health Inspector.

Clothing, bedding and other portable articles are dealt with at the disinfecting station.

Arrangements have been made for the cleansing of verminous persons at the Health Centre, London Road.

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## SECTION VII—Smallpox.

1. **Name of Isolation Hospital to which smallpox cases are sent from the district.**

All cases of smallpox are sent to the Hallwood Smallpox Hospital, Chapeltown. The administration of this Hospital is carried out from Lodge Moor Hospital, Sheffield—Telephone No. Sheffield 33941.

2. **Arrangements for transport of such cases to that hospital by ambulance, giving the name of the Authority responsible for the ambulance and the vaccinal state of the ambulance crews.**

The transport of all cases of smallpox is the responsibility of the Leicester County Council who will provide ambulances together with specially trained and vaccinated crews.

3. **Names of smallpox consultants available.**

Dr. P. J. Moroney,  
Consultant in Infectious Diseases,  
Lodge Moor Hospital,  
Sheffield, 10.

Dr. G. Nisbet,  
The Town Hall,  
Bridge Street,  
Peterborough,  
Northants.

4. **Facilities for laboratory diagnosis of smallpox.**

Where laboratory diagnosis is required specimens are sent to Professor K. McCarthy, Department of Medical Microbiology, Medical School, Ashton Street, Liverpool, 3.

## SECTION VIII—Venereal Disease.

Information as to the location, days and hours of the available facilities for the diagnosis and treatment of venereal disease among merchant seamen under international arrangements, including in-patient treatment and the steps taken to make these facilities known to seamen.

Arrangements for the diagnosis and treatment of venereal disease are administered by the Boston Group Hospital Management Committee of the Sheffield Regional Hospital Board.

Out-patient clinics are conducted at Pilgrim Hospital, Boston, at 4.30 p.m. each Tuesday. If necessary special appointments are made for seamen unable to attend the fixed clinics.

In-patient treatment can be arranged by the Consultant Venereologist.

In order to acquaint seamen with all details of facilities available to them, suitable posters are displayed in various parts of the Dock premises. The information is also brought to the notice of masters of vessels in the course of inspections.

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## SECTION IX—Cases of notifiable and other infectious diseases on ships.

TABLE D .

Category.	Disease	Number of cases during the year.		Number of ships concerned
		Passengers	Crew	
Cases landed from ships from foreign ports ....	Nil	Nil	Nil	Nil
Cases which have occurred on ships from foreign ports but have been disposed of before arrival	Nil	Nil	Nil	Nil
Cases landed from other ships	Nil	Nil	Nil	Nil

No cases of Smallpox, Cholera, Plague, Yellow Fever, Typhus or Relapsing Fever occurred during the year 1970.

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## SECTION X—Observations on the occurrence of Malaria in ships.

There have been no cases of Malaria occurring on any arriving ship.

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## SECTION XI—Measures taken against ships infected with or suspected for Plague.

No "infected" or "suspected" ships entered the port during 1970.

## **SECTION XII—Measures against rodents in ships from foreign ports.**

### **1. Procedure for inspection of ships for rats.**

All ships from “infected ports” are searched for evidence of rats (excreta, gnawings, runs, etc.) and traps are set for confirmation of findings. Similar precautions are taken if the crew or stevedores report indications of rats on other ships or if routine inspections reveal suspicious circumstances.

### **2. Arrangements for the bacteriological or pathological examination of rodents, with special reference to rodent plague, including the number of rodents sent for examination during the year.**

Bodies of rodents are sent for routine examination for plague to the Public Health Laboratory, St. Anne's Road, Lincoln, but during 1970 no bodies were recovered from ships using the port.

### **3. Arrangements in the district for deratting ships, the methods used, and, if done by a commercial contractor, the name of the contractor.**

Boston is not a designated approved port and there are no standing arrangements for the deratting of ships.

### **4. Progress in the rat-proofing of ships.**

Any work found to be necessary is carried out under the supervision of the Chief Port Health Inspector.

**TABLE E.**

**Rodents destroyed during the year in ships from foreign ports.**

Category.	Number.
Black rats ....	Nil.
Brown rats ....	Nil.
Species not known ....	Nil.
Sent for examination ....	Nil.
Infected with plague ....	Nil.

**TABLE F.**

Deratting Certificates and Deratting Exemption Certificates issued during the year for ships from foreign ports.

Boston is not a designated approved port and therefore no Deratting Certificates have been issued.

Net tonnage.	No. of Deratting Exemption Certificates issued.
Ships up to 300 tons ....	26
Ships from 301—1,000 tons ....	15
Ships from 1,001—3,000 tons ....	Nil
Total ....	41



### **SECTION XIII—Inspection of ships for nuisances.**

TABLE G.

#### **Inspections and Notices.**

Number of ships inspected : 140.

Nature of Nuisances.	Found	Remedied
Defects of Original Construction	Nil	Nil
Defects due to Wear and Tear ...	3	Nil
Dirt, Vermin, etc. ... ..	6	4

	Served	Complied with
Statutory Notices ... ..	Nil	Nil
Other Notices ... ..	9	4

### **SECTION XIV—Public Health (Shell-fish) Regulations, 1934 and 1948.**

There are Mussel and Cockle Beds both within and without the Area of the Port Health Authority in the Wash. These are periodically inspected and samples of the shell-fish are taken for analysis.

No action was necessary during the year 1970, either under the Public Health (Shell-fish) Regulations, 1934 and 1948, or the Food and Drugs Act, 1955.

### **SECTION XV—Medical Inspection of Aliens.**

The Port of Boston is not an approved port, under the Aliens Order, 1920, for the landing of aliens.

### **SECTION XVI—Miscellaneous.**

**Arrangements for the burial on shore of persons who have died on board ship from infectious disease.**

Satisfactory arrangements can be made for the interment of dead at the Boston Corporation Cemetery.



## FOOD INSPECTION.

The principal food imports were as follows :—

Commodity	Tons
Grain (in) ... ..	56,314
Potatoes ... ..	22,878
Onions ... ..	11,145
Tomatoes in Tins ... ..	10,140
Glucose ... ..	7,130
Starch ... ..	5,503
Fresh Fruit and Vegetables ... ..	3,538
Fruit in Tins ... ..	3,271
Honey ... ..	2,458
Tomato Puree ... ..	1,331
Potatoes in Tins ... ..	969
Milk in Tins ... ..	568
Dehydrated Vegetables ... ..	517
Vegetables in Brine ... ..	430
Fruit Juice ... ..	117
Macaroni ... ..	86
Nuts ... ..	61
Orange Peel ... ..	59
Vegetables in Tins ... ..	43
Meat in Tins ... ..	36
Fish in Tins ... ..	35
Garlic ... ..	33
Miscellaneous ... ..	57

### Food re-exported.

Grain .. .. .	9,178
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During the year the following amounts of foodstuffs were found to be unfit and were destroyed :—

Potatoes ... .. .	281 tons
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